

[CD-RW DRIVE WITH MULTI-STAGE LINEAR VELOCITIES AND DIFFERENT RECORDING SPEEDS AND RECORDING POWERS FOR EACH STAGE]

Abstract of Disclosure

An optical storage carrier drive has a rotative mechanism for rotating an optical storage carrier, and a data access device for recording data to a track on the optical storage carrier. The track contains data units. The speed of each data unit passing by the data access device is termed the linear velocity. The method involves building a look-up table that divides the data units on the track into at least two sequentially arranged data blocks, and giving each data unit a different linear velocity to reduce the acceleration and deceleration of the angular velocity of the optical storage carrier.